ORDER NO.ACED000902C1

C4

Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS

CQ-5200U

Heavy Duty CD Player / Weather Band Receiver

SPECIFICATIONS

Specifications *

General

Power Supply	: 12V DC (11V-16V) Test Voltage 14.4V, Negative ground
Maximum Power Output	: 37 Wx4 channel at 400Hz, Volume Control maximum
Power Output	: 18 W per channel into 4 ohms, 40 to 30,000Hz, at 3% THD
Tone Action	: Bass; ± 10 dB at 100Hz Treble; ± 10 dB at 10kHz
Current Consumption	: Less than 2.5 A (0.5W 4-Speaker)
Speaker Impedance	: 4 Ω (4-8Ω acceptable)

AM Radio

Frequence Range	: 530 - 1,710kz
Useable Sensitivity	: 28 dB/μV (25 μV/ S/N 20dB)

FM Stereo Radio

Frequency Range	: 87.9 - 107.9MHz
Useable Sensitivity	: 12 dBf. (1.1μV/75 Ω, S/N 30 dB)
50 dB Quieting Sensitivity	: 17 dBf. (2.0 μV/75Ω)
Frequency Response	: 30 - 15,000Hz ± 3dB
Alternate Channel Sensitivity	: 75 dB
Stereo Separation	: 35 dB at 1,000Hz
Signal/Noise Ratio	: 70 dB (Mono)

WB Radio

Freuency Range	: 162.40 - 162.55MHz
Useable Sensitivity	: 3 dB (S/N 20dB)
Signal/Noise Ratio	: 50 dB (40 dB/μV)

CD Player

Sampling Frequence	: 32 times oversampling
DA Converter	: MASH.1 bit/4 DAC System
Error Correction System	: Panasonic Super Decording Algorithm
Pick-Up type	: 1-beam
Light Source	:Semiconductor laser
Wavelength	: 780nm
Frequency Response	: 20Hz-20,000Hz (±1 dB)
Signal to Noise Ratio	: 98 dB
Total Harmonic Distortion	:0.01% (1 kHz)
Wow and Flutter	: Below measurable limits
Channel Separation	: 75 dB

Dimentions **	: 7" x 1-15/16" x 5-7/8" (178 x 50 X 150mm)
Weight **	: 3 lbs. 8 oz (1.6kg)

* Specifications and the design are subject to possible modification without notice due to improvements.
** Dimentions and weight shown are approximate.
*** Above specifications comply with EIA standards.

© 2000 Matsushita Communication Industrial Co., Ltd. All rights reserved. Unauthorized copying and distribution is a violation of

law.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

1. FEATURES

- 24-Stations Preset (6-FM1, 6-FM2, 6-W/B, 6-AM).
- Metal(CrO2) /Normal Tape Selector.
- Electrolytic Control of Volume.
- Bass, Treble, Balance and Fader.
- Dolby NR function.
- CD Changer Control function.
- TPS (Tape Program Search) function.
- Clock function.

2. REPLACING THE FUSE

Be sure to use a fuse of the specified rating (10A) when replacing a blown fuse. Fuses with higher capacity ratings, use of any substitute, or connection without a fuse may result in a fire hazard or damage to the unit.

3. MAINTENANCE

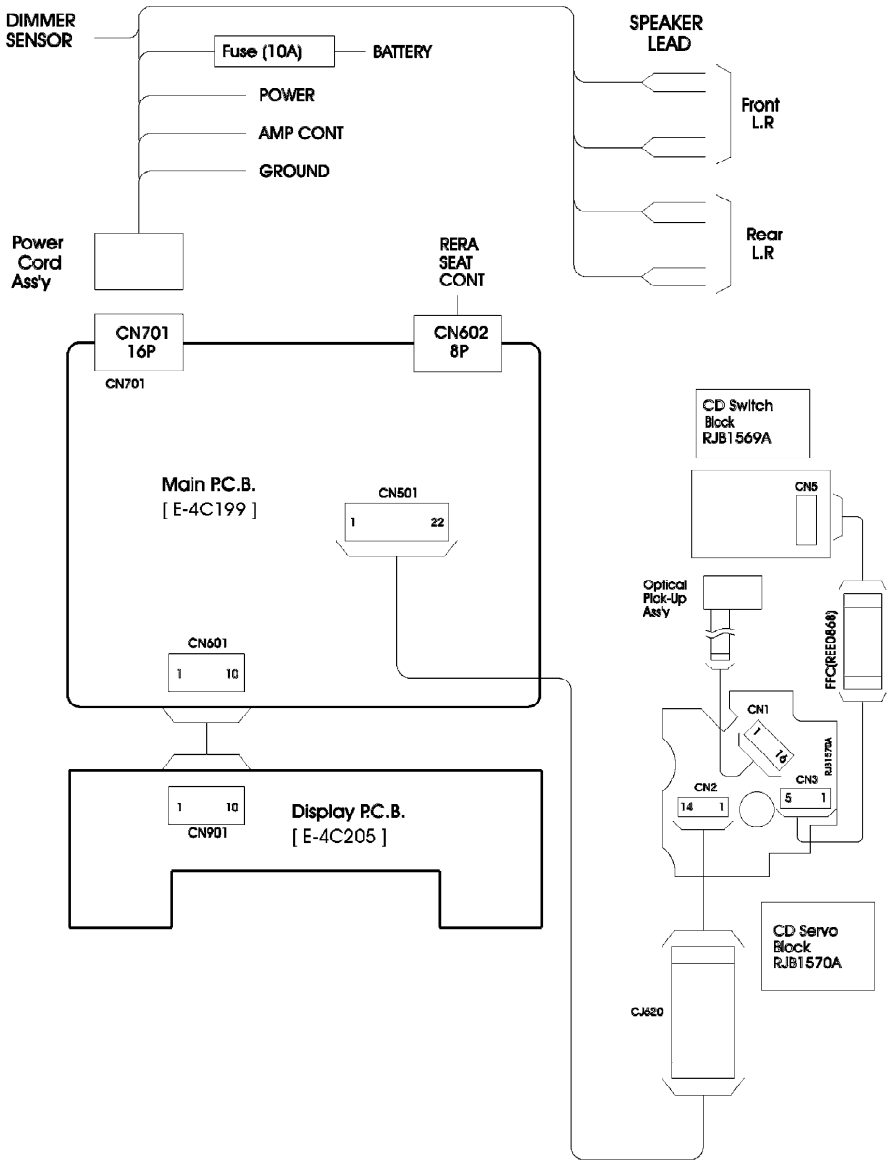
Your product is designed and manufactured to ensure a minimum of maintenance. Use a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvent.

4. RADIO AND CD DECK ALIGNMENT

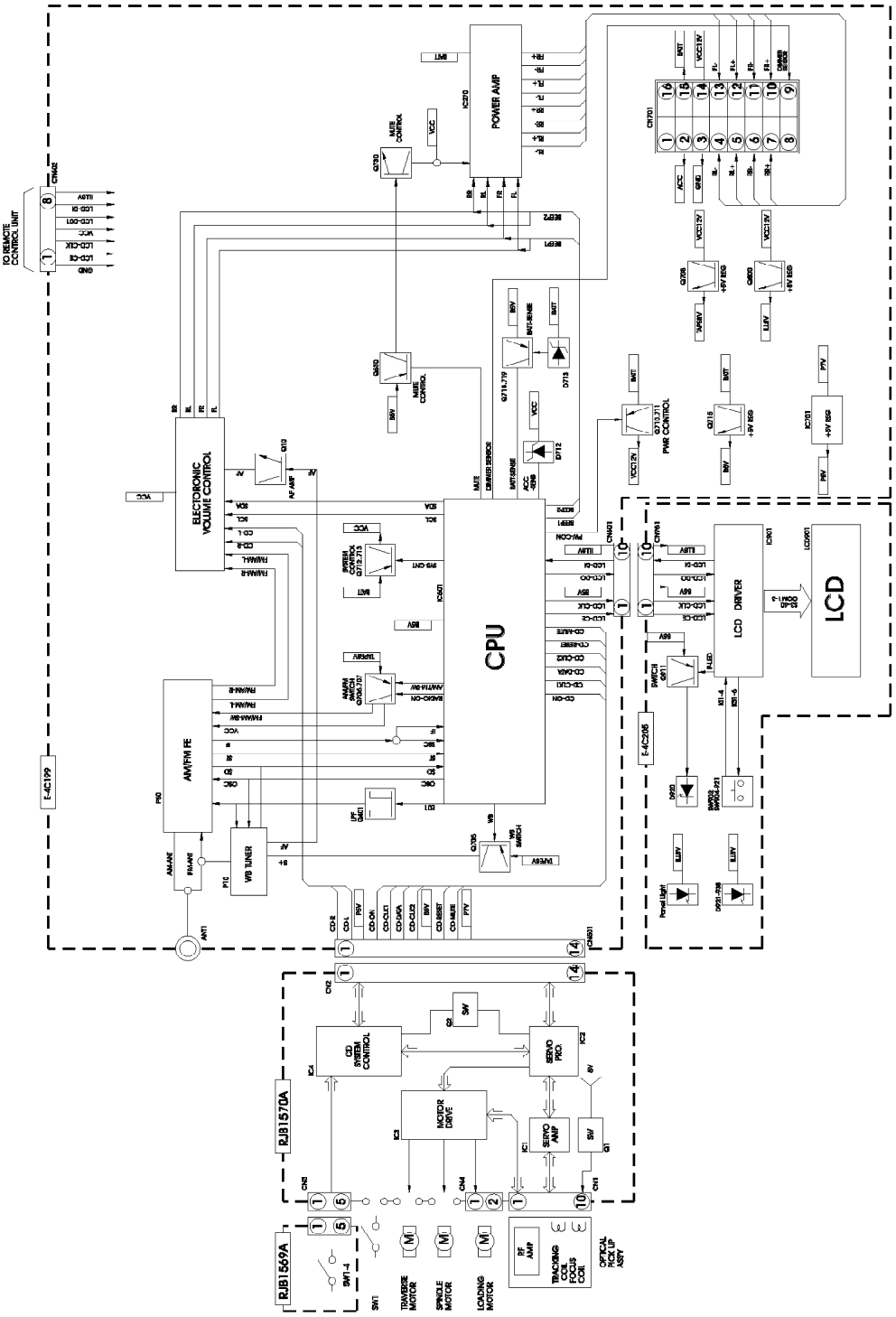
- RADIO BLOCK / Do not align the AM/FM and WB (Weather Band) package blocks. When the package block is necessary, it will be supplied already aligned at the factory.
- CD DECK BLOCK / This model has no servo aligment points because microcomputer controls the servo circuit.

5. DIMENSIONS

6. WIRING CONNECTION



7. BLOCK DIAGRAM

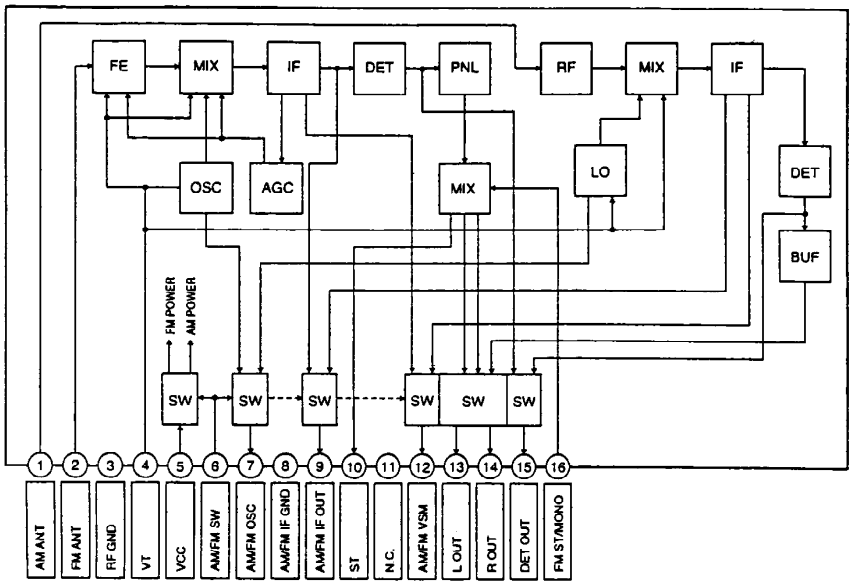


8. SCHEMATIC DIAGRAM (Display Block)

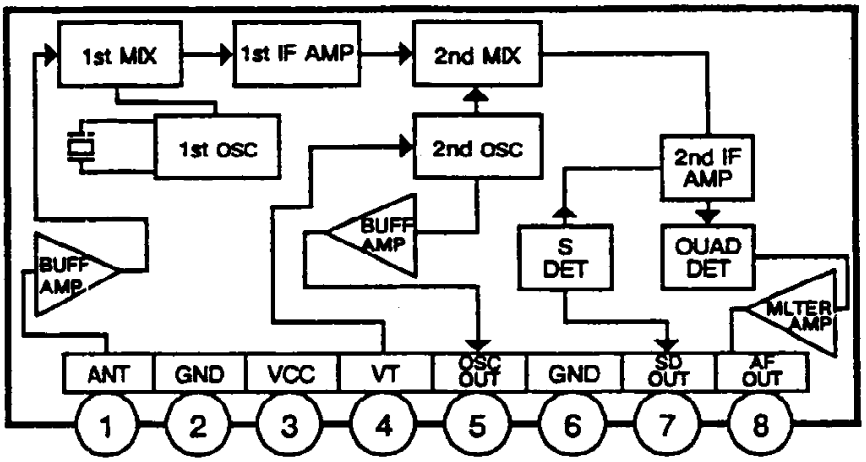
9. WIRING DIAGRAM (Display Block)

10. PACKAGE AND IC BLOCK DIAGRAM

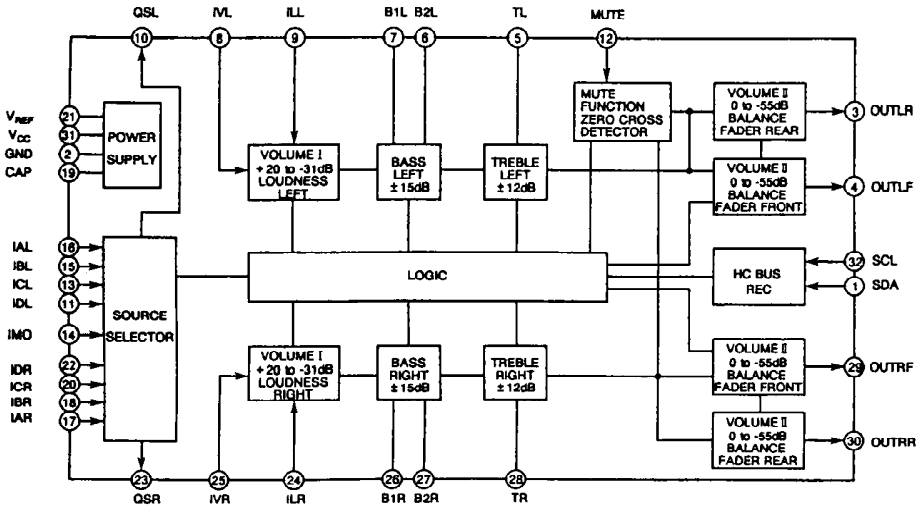
P50 YEAU4CMXU01



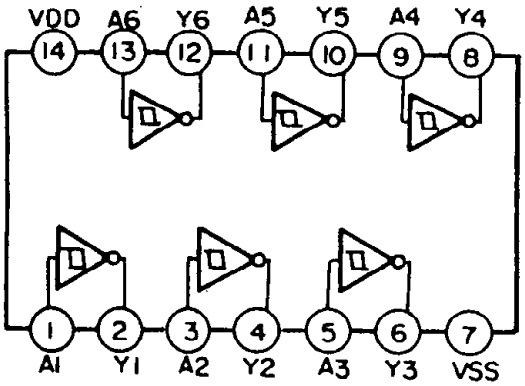
P10 YEAU034CSU02



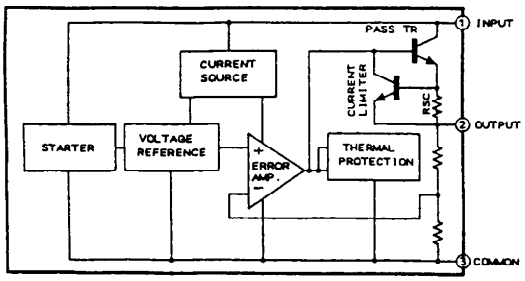
IC205 YEAMEA6320TT



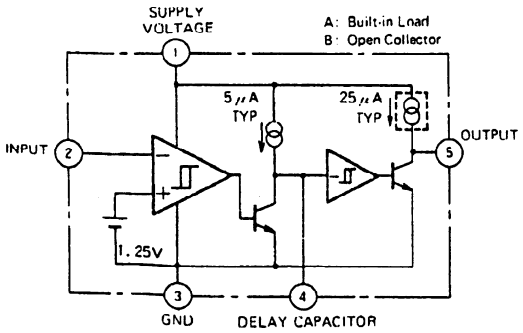
IC602 YEAMTC4584FN



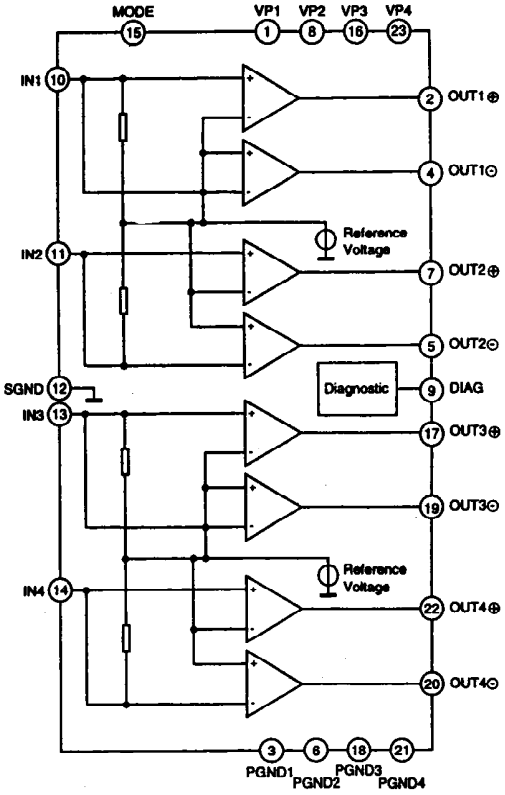
IC701 AN78N05



IC800 YEAMM51957AL



IC270 YEAMTDA8571J



11. SCHEMATIC DIAGRAM (Main Block)

12. WIRING DIAGRAM (Main Block)

13. TERMINALS DESCRIPTION

13.1. Main Block

IC601 YEAM17708622

Pin No.	Name	Description	I/O	Vol. (V)		
				AM	FM	TAPE
1	BATT	Battery Detection	I	5.3	2.5	5.3
2	(NC)	(Connect to Ground)	-	-	-	-
3	MODE2	Tape Detection input	I	4.7	4.7	4.7
4	(NC)	(Connect to Ground)	-	-	-	-
5	MS	No sound Detection (TPS)	I	O	O	O
6	R-REEL	Reel Pulse Detection(R)	I	1.5	2.3	3
7	F-REEL	Reel Pulse Detection(F)	I	1.4	2	3.1
8	(NC)	-	-	-	-	-
9	ST	Stereo Signal Input	I	4.6	4.6	4.6
10	MTL	Deck Metal Output H:ON L:OFF	O	0	0	0
11	DOLBY ON/OFF	Dolby NR ON/OFF H:OFF L:ON	O	0	0	0
12	(NC)	-	-	-	-	-
13	MS GAIN	Music Search Gain Control	O	0	0	0
14	ACC	ACC Detection	I	5.2	5.2	5.2
15	MMT-F	Main Motor Control	I/O	4.8	4.8	4.8
16	CD MUTE	Main Motor Control	I/O	0	0	0
17	FM/AM BW	FM/AM Select Switch	O	8.1	0	0.1
18	RADIO ON	AM/FM Tuner ON	O	0	0	0.1
19	WB	W/B Tuner ON	O	7.1	7.1	7.1
20	SSC	FM/AM SSC Control	O	0	0	0
21	GND	Ground	-	0	0	0
22	(NC)	-	-	-	-	-
23	(NC)	-	-	-	-	-
24	INIT B	(Pull-down)	-	0	0	0
25	INIT A	(Connect to Ground)	-	0	0	0
26	SD FM	FM SD Input	I	0.2	0.7	0.7
27	SD AM	AM SD Input	I	2.4	2.4	2.7
28	AMIFC	AM IF Input	I	0	0	0
29	FMIFC	FM IF Input	I	1.2	1.6	2.5

Pin No.	Name	Description	I/O	Vol. (V)		
				AM	FM	TAPE
30	VDD	Power supply +5V	-	4.8	4.8	4.8
31	FM/AM OSC	FM OSC Input	I	2.6	2.6	2.6
32	WB OSC	WB OSC Input	I	0	0	0
33	GND	Ground	-	0	0	0
34	E01	FM / AM VT Output	O	1.5	1.5	1.5
35	E02 (NC)	-	-	-	-	-
36	(NC)	(Connect to Ground)	-	-	-	-
37	MONO (NC)	-	-	-	-	-
38	LOC (NC)	-	-	-	-	-
39	BEEP1	Beep Sound Output 1	O	0	0	0
40	BEEP2	Beep Sound Output 2	O	0	0	0
41	CD CLK2	CD Clock 2	I	4.7	4.7	4.7
42	CDC STB	CD Changer Strobe	I	2.3	2.3	2.3
43	TIN/T EXIST	Tape-in Switch Signal input	I	0	0	0
44	(NC)	-	-	-	-	-
45	(NC)	-	-	-	-	-
46	F/R	Forward/Reverse Select Signal	O	0	4.7	0
47	PW CNT	System Power Control	O	4.7	4.7	4.7
48	SYS CNT	AMP ST-BY Control	O	4.8	4.8	4.8
49	MUTE	Mute Control L: mute ON	O	4.8	4.8	4.8
50	PL ON (NC)	-	-	-	-	-
51	HDB ON	S HDB ON Signal Output	O	4.8	4.8	4.8
52	(NC)	-	-	-	-	-
53	CDC SELECT (NC)	-	-	-	-	-
54	(NC)	-	-	-	-	-

Pin No.	Name	Description	I/O	Vol. (V)		
				AM	FM	TAPE
55	LCD D01 (NC)	-	-	-	-	-
56	LCD CLK	LCD Clock	O	0	0	0
57	LCD DI (MO)	LCD Data input	O	0	0	0
58	LCD CE	LCD Chip Enble	O	0.3	0.3	0
59	LCD DO(MI)	LCD Data Output	I	5.3	5.3	5.3
60	(NC)	-	-	-	-	-
61	(NC)	-	-	-	-	-
62	REMOUT	Remoto Data Output	O	4.8	4.8	4.8
63	12C DATA	12C Data	I	0	5	4.9
64	12C CLK	12C Clock	O	5	5	5
65	CDC CLK	CD Changer Clock	I	2	2.3	2.3
66	MOTOR ANT (NC)	-	-	-	-	-
67	CDC DATA	CD Changer Data	I	2	2.3	2.3
68	MOD3	Tape Deck Mode3	O	4.8	4.8	4.8
69	MODE2 (NC)	-	-	-	-	-
70	MODE1	Tape Deck Mode1	I	4.8	4.8	4.8
71	SMT-R	Sub Motor Control (R)	I	4.8	4.8	4.8
72	SMT-F	Sub Motor Control (F)	O	0	4.8	0
73	TELMUTE	Telephone Mute Control	I	4.7	4.7	4.7
74	VTER (NC)	-	-	-	-	-
75	GND	Ground	-	0	0	0
76	X OUT	Crystal Oscilator	O	2.3	2.3	2.3
77	X IN	Crystal Oscilator	I	1.8	1.8	2
78	CE	Chip Enable	I	4.8	4.8	4.8
79	VDD	Power supply +5V	-	4.8	4.8	4.8
80	RESET	Reset input	I	4.8	4.8	4.8

13.2. Display Block

IC901 YEAMLC75853E

Pin No.	Name	Description	I/O	Volt (V)
1	(NC)	-	-	-
2	P.LED	LED Indicator Signal Output	O	0
3~40	S3~S40	LCD Segment	O	2.7
41	COM1	LCD Common	O	2.7
42	COM2	LCD Common	O	2.7
43	COM3	LCD Common	O	2.7
44~49	KS1~KS6	Key Data Output	O	5.3
50~54	K11~K15	Key Data Input	I	0
55	TEST	(Connect to Ground)	-	0
56	VDD	+5V Power Supply	-	5.3
57	VDD1	+5V Power Supply	-	3.5
58	VDD2	+5V Power Supply	-	1.8
59	VSS	(Connect to Ground)	-	0
60	OSC	CR Oscillator	-	3.9
61	DO	LCD Data Output	O	5.2
62	CE	Chip Enable	I	0.3
63	CLK	LCD Clock Input	I	0
64	DI	LCD Data Input	I	0

14. SCHEMATIC DIAGRAM (CD Servo Block)

15. WIRING DIAGRAM (CD Servo Block)

16. REPLACEMENT PARTS LIST (Unit)

Note:

1. Be sure to make your orders of replacement parts according to this list.
2. Important safty notice: Component , indentified by ⚠ mark have special characteristics important for safety. when replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing. as in a load map.
4. The marking (RTL) indicates that Retention Time is linited for this item. After the discontinuation of assembly in production, the item will continue to be availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. Aft the end of this period, the assembly will no longer be available.
5. "T" marks in remarks colum are indicated supply parts of TAMACO.

Ref. No.	Part No.	Part Name & Description	Remarks
1.1. IC's and Transistors			
MAIN BLOCK [E-4C199]			
IC205	YEAMEA6320TT	IC	
IC270	YEAMTDA8571J	IC	
IC601	YEAM17708622	IC	T
IC701	AN78N05	IC	
IC715	AN78N05	IC	
IC800	YEAMM51957AL	IC	T
P10	YEAU034CSU03	WB Tuner Pack	
P50	CT-U02A	FM/AM Tuner Pack	T
Q1	YEANDTC144ST	Transistor	T
Q2	YEANB123YST	Transistor	T
Q10	YEAN2SC3330T	Transistor	T
Q401	YEAN2SK583T	Transistor	T
Q630	YEANDTA144ST	Transistor	T
Q702	YEAND1762EF	Transistor	T
Q703	YEANC114YST	Transistor	T
Q705	YEANB123YST	Transistor	T
Q706	YEANA123YST	Transistor	T
Q707	YEANA123YST	Transistor	T
Q708	YEAN2SD2007T	Transistor	T
Q710	YEANB1243QRT	Transistor	T
Q711	YEANC114YST	Transistor	T
Q712	YEANB123YST	Transistor	T
Q713	YEANC114YST	Transistor	T
Q715	AN78N05	IC	
Q800	YEAND1762EF	Transistor	T
DISPLAY BLOCK [E-4C205]			
IC901	YEAMLC75853E	IC	T
Q901	YEANA114EKTX	Transistor	T
1.2. Diodes			
MAIN BLOCK [E-4C199]			
D4	YEADMTZ91BT	Diode	T
D5	YEADRD51JS3T	Diode	T
D10	YEAD1N4005T	Silicon Diode	T
D25	MA856TA	Diode	
D26	YEAD1N4148C	Diode	T
D27	YEAD1N4148C	Diode	T
D50	YEAD1N4148C	Diode	T
D51	MA856TA	Diode	
D60	YEADRD56JS3T	Zener Diode	T
D61	YEADRD56JS3T	Zener Diode	T
D62	YEADRD56JS3T	Zener Diode	T
D63	YEADRD56JS3T	Zener Diode	T
D255	YEAD1N4005T	Silicon Diode	T
D256	YEAD1N4005T	Silicon Diode	T
D257	YEAD1N4005T	Silicon Diode	T
D258	YEAD1N4005T	Silicon Diode	T
D355	YEAD1N4005T	Silicon Diode	T

Ref. No.	Part No.	Part Name & Description	Remarks
D356	YEAD1N4005T	Silicon Diode	T
D357	YEAD1N4005T	Silicon Diode	T
D358	YEAD1N4005T	Silicon Diode	T
D401	YEADMTZ10CT	Diode	T
D701	YEADSR10A08G	Silicon Diode	T
D702	YEAD1N4005T	Silicon Diode	T
D704	YEADMTZ91BT	Zener Diode	T
D708	MA700TA	Diode	
D709	MA700TA	Diode	
D710	YEAD1N4148C	Diode	T
D712	YRADRD51JS3T	Diode	T
D714	YEADMTZ91BT	Zener Diode	T
D715	YEAD1N4005T	Silicon Diode	T
D802	YEAD1N4005T	Silicon Diode	T
D900	YEADMTZ91BT	Zener Diode	T
D901	MA700TA	Diode	
D902	MA700TA	Diode	
Z50	ERZG07DK470T	Zener Diode	T
Z51	YEADSPD201M	Serge Protector	T
DISPLAY BLOCK [E-4C205]			
D901	SLR342YYT31	LED (GREEN)	T
D902	SLR342YYT31	LED (GREEN)	T
D903	SLR342YYT31	LED (GREEN)	T
D904	SLR342YYT31	LED (GREEN)	T
D905	SLR342YYT31	LED (GREEN)	T
D906	SLR342YYT31	LED (GREEN)	T
D907	SLR342YYT31	LED (GREEN)	T
D908	SLR342YYT31	LED (GREEN)	T
D909	SML210YT	LED (RED)	T
D910	SLR342YYT31	LED (GREEN)	T
D911	SLR342YYT31	LED (GREEN)	T
D912	SLR342YYT31	LED (GREEN)	T
D913	SML210YT	LED (RED)	T
D914	SML210YT	LED (RED)	T
D915	SML210YT	LED (RED)	T
D916	SLR342YYT31	LED (GREEN)	T
D917	SLR342YYT31	LED (GREEN)	T
D918	SML210YT	LED (RED)	T
D920	SML210VT	LED (RED)	T
D921	SML210YT	LED (RED)	T
D922	SML210YT	LED (RED)	T
1.3. Capacitors			
MAIN BLOCK [E-4C199]			
C12	ECUV1H103KBN	Ceramic 0.01MFD 50WV	T
C21	ECEA1HKS010I	Electrolytic 1MFD 50WV	
C22	ECEA1AKS101I	Electrolytic 100MFD 10WV	
C51	ECEA1CKS470I	Electrolytic 47MFD 16WV	
C52	ECUV1H103KBN	Ceramic 0.01MFD 50WV	T
C54	ECUV1H103KBN	Ceramic 0.01MFD 50WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C57	ECUV1H273KBN	Ceramic 0.027MFD 50WV	T
C58	ECUV1H273KBN	Ceramic 0.027MFD 50WV	T
C60	ECUV1H103KBM	Ceramic 0.01MFD 50WV	T
C61	ECUV1H102KBN	Ceramic 0.001MFD 50WV	T
C66	ECUV1H103KBN	Ceramic 0.01MFD 50WV	T
C233	ECUV1C224KBN	Ceramic 0.22MFD 16WV	T
C237	ECUV1H333KBN	Ceramic 0.033MFD 50WV	T
C238	ECUV1H562KBN	Ceramic 0.0056MFD 50WV	T
C239	ECEA1HKS3R3I	Electrolytic 3.3MFD 50WV	
C240	ECEA1HKS3R3I	Electrolytic 3.3MFD 50WV	
C241	ECEA1HKS010I	Electrolytic 1MFD 50WV	
C242	ECEA1HKS010I	Electrolytic 1MFD 50WV	
C249	ECUV1H222KBN	Ceramic 0.0022MFD 50WV	T
C250	ECUV1H222KBN	Ceramic 0.0022MFD 50WV	T
C251	ECUV1H181JCN	Ceramic 180pF 50WV	T
C252	ECUV1H181JCN	Ceramic 180pF 50WV	T
C253	ECEA1CKS100I	Electrolytic 10MFD 16WV	
C255	ECUV1H683KBM	Ceramic 0.068MFD 50WV	T
C256	ECUV1H683KBM	Ceramic 0.068MFD 50WV	T
C257	ECUV1H683KBM	Ceramic 0.068MFD 50WV	T
C258	ECUV1H683KBM	Ceramic 0.068MFD 50WV	T
C267	ECUV1H102KBN	Ceramic 0.001MFD 50WV	T
C270	ECUV1H102KBN	Ceramic 0.001MFD 50WV	T
C324	ECEA1AKS470I	Electrolytic 47MFD 10WV	
C325	ECEA0JKS101I	Electrolytic 100MFD 6.3WV	
C331	ECEA1HKS3R3I	Electrolytic 3.3MFD 50WV	
C337	ECUV1H333KBN	Ceramic 0.033MFD	T
C338	ECUV1H562KBM	Ceramic 0.0056MFD 50WV	T
C339	ECEA1HKS3R3I	Electrolytic 3.3MFD 50WV	
C340	ECEA1HKS3R3I	Electrolytic 3.3MFD 50WV	
C341	ECEA1HKS010I	Electrolytic 1MFD 50WV	
C342	ECEA1HKS010I	Electrolytic 1MFD 50WV	
C349	ECUV1H222KBN	Ceramic 0.0022MFD 50WV	T
C350	ECUV1H222KBN	Ceramic 0.0022MFD 50WV	T
C351	ECUV1H181JCN	Ceramic 180pF 50WV	T
C352	ECUV1H181JCN	Ceramic 180pF 50WV	T
C353	ECEA1CKS100I	Electrolytic 10MFD 16WV	
C355	ECUV1H683KBN	Ceramic 0.068MFD 50WV	T
C356	ECUV1H683KBM	Ceramic 0.068MFD 50WV	T
C357	ECUV1H683KBM	Ceramic 0.068MFD 50WV	T
C358	ECUV1H683KBM	Ceramic 0.068MFD 50WV	T
C359	ECUV1H102KBN	Ceramic 0.001MFD 50WV	T
C362	ECUV1H102KBN	Ceramic 0.001MFD 50WV	T
C363	ECUV1H102KBN	Ceramic 0.001MFD 50WV	T
C364	ECUV1H102KBN	Ceramic 0.001MFD 50WV	T
C365	ECUV1H102KBN	Ceramic 0.001MFD 50WV	T
C366	ECUV1H102KBN	Ceramic 0.001MFD 50WV	T
C401	ECEA1VSN4R7I	Electrolytic 4.7MFD 35WV	
C402	ECEA1AKS101I	Electrolytic 100MFD 10WV	
C403	ECUV1H104ZFN	Ceramic 0.1MFD 50WV	T
C408	ECUV1H102KBN	Ceramic 0.001MFD 50WV	T
C411	ECUV1H154ZFN	Ceramic 0.15MFD 50WV	T
C412	ECUV1H334KBN	Ceramic 0.33MFD 50WV	T
C600	ECUV1H104ZFN	Ceramic 0.1MFD 50WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C601	ECUV1H220JCN	Ceramic 22pF 50WV	T
C602	ECUV1H220JCN	Ceramic 22pF 50WV	T
C608	ECUV1H103KBN	Ceramic 0.01MFD 50WV	T
C614	YEECFYH0H223	AXIA CAPACITOR 0.022MFD 5.5WV	T
C625	ECUV1H101KBN	Ceramic 100pF 50WV	T
C626	ECUV1H680JCN	Ceramic 68pF 50WV	T
C631	ECEA1HKS010I	Electrolytic 1MFD 50WV	
C632	ECEA1CKS100I	Electrolytic 10MFD 16WV	
C650	ECUV1H104ZFN	Ceramic 0.1MFD 50WV	T
C651	ECUV1H104ZFN	Ceramic 0.1MFD 50WV	T
C653	ECUV1H104ZFN	Ceramic 0.1MFD 50WV	T
C654	ECUV1H104ZFN	Ceramic 0.1MFD 50WV	T
C655	ECUV1H104ZFN	Ceramic 0.1MFD 50WV	T
C656	ECUV1H104ZFM	Ceramic 0.1MFD 50WV	T
C701	ECEA0JKS101I	Electrolytic 100MFD 6.3WV	
C702	ECEA1EKS101I	Electrolytic 100MFD 25WV	
C703	ECUV1H103KBN	Ceramic 0.01MFD 50WV	T
C705	ECEA1CKS101I	Electrolytic 10MFD 16WV	
C707	ECEA1AKS221I	Electrolytic 220MFD 10WV	
C708	ECEA1AKS221I	Electrolytic 220MFD 10WV	
C709	ECEA1CKS101I	Electrolytic 100MFD 16WV	
C715	ECEA0JKS331I	Electrolytic 330MFD 6.3WV	
C717	ECEA1CKS100I	Electrolytic 10MFD 16WV	
C718	ECEA1HKS010I	Electrolytic 1MFD 50WV	
C719	ECUV1H103KBM	Ceramic 0.01MFD 50WV	T
C720	ECEA1CU472YC	Electrolytic 4700MFD 35WV	
C721	ECEA1AKS221I	Electrolytic 220MFD 10WV	
C722	ECUV1H103KBN	Ceramic 0.01MFD 50WV	T
C733	ECUV1H222KBN	Ceramic 0.0022MFD 50WV	T
C799	ECEA1CU222C	Electrolytic 2200MFD 35WV	
C900	ECUV1H104KBN	Ceramic 0.1MFD 50WV	T
DISPLAY BLOCK [E-4C205]			
C901	ECUV1H104ZFN	Ceramic 0.1MFD 50WV	T
C902	ECUV1H104ZFN	Ceramic 0.1MFD 50WV	T
C903	ECUV1H104ZFN	Ceramic 0.1MFD 50WV	T
C904	ECUV1H102KBN	Ceramic 0.001MFD 50WV	T
1.4. Resistors			
MAIN BLOCK [E-4C199]			
J1	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J2	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J3	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J4	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J5	ERJ6GEY0R00V	Chip 0 ohms 1/10W	T
J6	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J7	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J8	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J9	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J11	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J12	ERJ8GX0R00V	Chip 0 ohms 1/8W	T

Ref. No.	Part No.	Part Name & Description	Remarks
J20	ERJ6GEY0R00V	Chip 0 ohms 1/10W	T
J22	ERJ6GEY0R00V	Chip 0 ohms 1/10W	T
J24	ERJ6GEY0R00V	Chip 0 ohms 1/10W	T
J26	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J31	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J41	ERJ6GEY0R00V	Chip 0 ohms 1/10W	T
J42	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J45	ERJ6GEY0R00V	Chip 0 ohms 1/10W	T
J49	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J53	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J54	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J71	ERJ6GEY0R00V	Chip 0 ohms 1/10W	T
J72	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J75	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J81	ERJ6GEY0R00V	Chip 0 ohms 1/10W	T
J82	ERJ6GEY0R00V	Chip 0 ohms 1/10W	T
J83	ERJ6GEY0R00V	Chip 0 ohms 1/10W	T
J84	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J89	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J90	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J95	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J96	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J97	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J102	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J169	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J171	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J175	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J671	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J672	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J800	ERJ6GEY0R00V	Chip 0 ohms 1/10W	T
J801	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J802	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J804	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J805	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J806	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J807	ERJ6GEY0R00V	Chip 0 ohms 1/10W	T
J808	ERJ6GEY0R00V	Chip 0 ohms 1/10W	T
J810	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J811	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J831	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J835	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J860	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J861	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J862	ERJ6GEY0R00V	Chip 0 ohms 1/10W	T
R3	ERD25TJ471	Carbon 470 ohms 1/4W	T
R4	ERJ6GEYJ473V	Chip 47k ohms 1/10W	T
R6	ERJ8GEYJ124V	Chip 120k ohms 1/8W	T
R7	ERDS2TJ472	Carbon 4.7k ohms 1/4W	T
R9	ERJ6GEYJ392V	Chip 3.9k ohms 1/10W	T
R20	ERJ6GEYJ222V	Chip 2.2k ohms 1/10W	T
R21	ERJ6GEYJ224V	Chip 22k ohms 1/10W	T
R22	ERJ6GEYJ222V	Chip 2.2k ohms 1/10W	T
R23	ERJ6GEYJ152V	Chip 1.5k ohms 1/10W	T
R25	ERJ8GEYJ332V	Chip 3.3k ohms 1/8W	T

Ref. No.	Part No.	Part Name & Description	Remarks
R26	ERJ6GEYJ332V	Chip 3.3k ohms 1/10W	T
R50	ERJ6GEYJ5R6V	Chip 5.6k ohms 1/10W	T
R51	ERJ6GEYJ472V	Chip 4.7k ohms 1/10W	T
R52	ERJ6GEYJ223V	Chip 22k ohms 1/10W	T
R53	ERJ6GEYJ221V	Chip 220 ohms 1/10W	T
R54	ERJ8GEYJ103V	Chip 10k ohms 1/8W	T
R55	ERJ6GEYJ102V	Chip 1k ohms 1/10W	T
R56	ERJ8GEYJ103V	Chip 10k ohms 1/8W	T
R58	ERDS2TJ332	Chip 3.3k ohms 1/4W	T
R59	ERJ6GEYJ822V	Chip 8.2k ohms 1/10W	T
R251	ERD25TJ183	Carbon 18K ohms 1/4W	T
R252	ERJ6GEYJ153V	Chip 15k ohms 1/10W	T
R271	ERD25TJ101	Carbon 100 ohms 1/4W	T
R272	ERD25TJ101	Carbon 100 ohms 1/4W	T
R281	ERJ6GEYJ223V	Chip 22k ohms 1/10W	T
R282	ERJ6GEYJ223V	Chip 22k ohms 1/10W	T
R338	ERJ6GEYJ102V	Chip 1k ohms 1/10W	T
R339	ERJ6GEYJ102V	Chip 1k ohms 1/10W	T
R351	ERD25TJ183	Carbon 18K ohms 1/4W	T
R352	ERJ6GEYJ153V	Chip 15k ohms 1/10W	T
R371	ERD25TJ101	Carbon 100 ohms 1/4W	T
R372	ERD25TJ101	Carbon 100 ohms 1/4W	T
R381	ERJ8GEYJ223V	Chip 22k ohms 1/8W	T
R382	ERJ6GEYJ223V	Chip 22k ohms 1/10W	T
R401	ERJ8GEYJ472V	Chip 4.7k ohms 1/8W	T
R404	ERDS2TJ152	Carbon 1.5k ohms 1/4W	T
R405	ERJ6GEYJ152V	Chip 1.5k ohms 1/10W	T
R406	ERDS2TJ152	Carbon 1.5k ohms 1/4W	T
R407	ERJ6GEYJ471V	Chip 470 ohms 1/10W	T
R408	ERD25TJ181	Carbon 180 ohms 1/4W	T
R411	ERJ8GEYJ123V	Chip 12k ohms 1/8W	T
R412	ERDS2TJ123	Carbon 12k ohms 1/4W	T
R413	ERJ6GEYJ123V	Chip 12k ohms 1/10W	T
R414	ERJ6GEYJ123V	Chip 12k ohms 1/10W	T
R600	ERJ6GEYJ473V	Chip 47K ohms 1/10W	T
R603	ERJ6GEYJ473V	Chip 47K ohms 1/10W	T
R604	ERJ6GEYJ473V	Chip 47K ohms 1/10W	T
R612	ERJ6GEYJ473V	Chip 47K ohms 1/10W	T
R613	ERJ8GEYJ1022V	Chip 10.2k ohms 1/8W	T
R614	ERJ6GEYJ473V	Chip 47K ohms 1/10W	T
R615	ERD25TJ473	Carbon 47k ohms 1/4W	T
R616	ERDS2TJ473	Carbon 47k ohms 1/4W	T
R621	ERJ6GEYJ103V	Chip 10k ohms 1/10W	T
R623	ERJ6GEYJ183V	Chip 18k ohms 1/10W	T
R629	ERJ6GEYJ683V	Chip 68K ohms 1/10W	T
R636	ERJ6GEYJ103V	Chip 10k ohms 1/10W	T
R637	ERJ8GEYJ103V	Chip 10k ohms 1/8W	T
R668	ERJ6GEYJ102V	Chip 1k ohms 1/10W	T
R669	ERJ6GEYJ102V	Chip 1k ohms 1/10W	T
R670	ERJ6GEYJ102V	Chip 1k ohms 1/10W	T
R700	ERJ6GEYJ103V	Chip 10k ohms 1/10W	T
R705	ERJ8GEYJ221V	Chip 220 ohms 1/8W	T
R721	ERD25FJ5R6	Carbon 5.6 ohms 1/4W	T
R722	ERD25FJ471	Carbon 470 ohms 1/4W	T

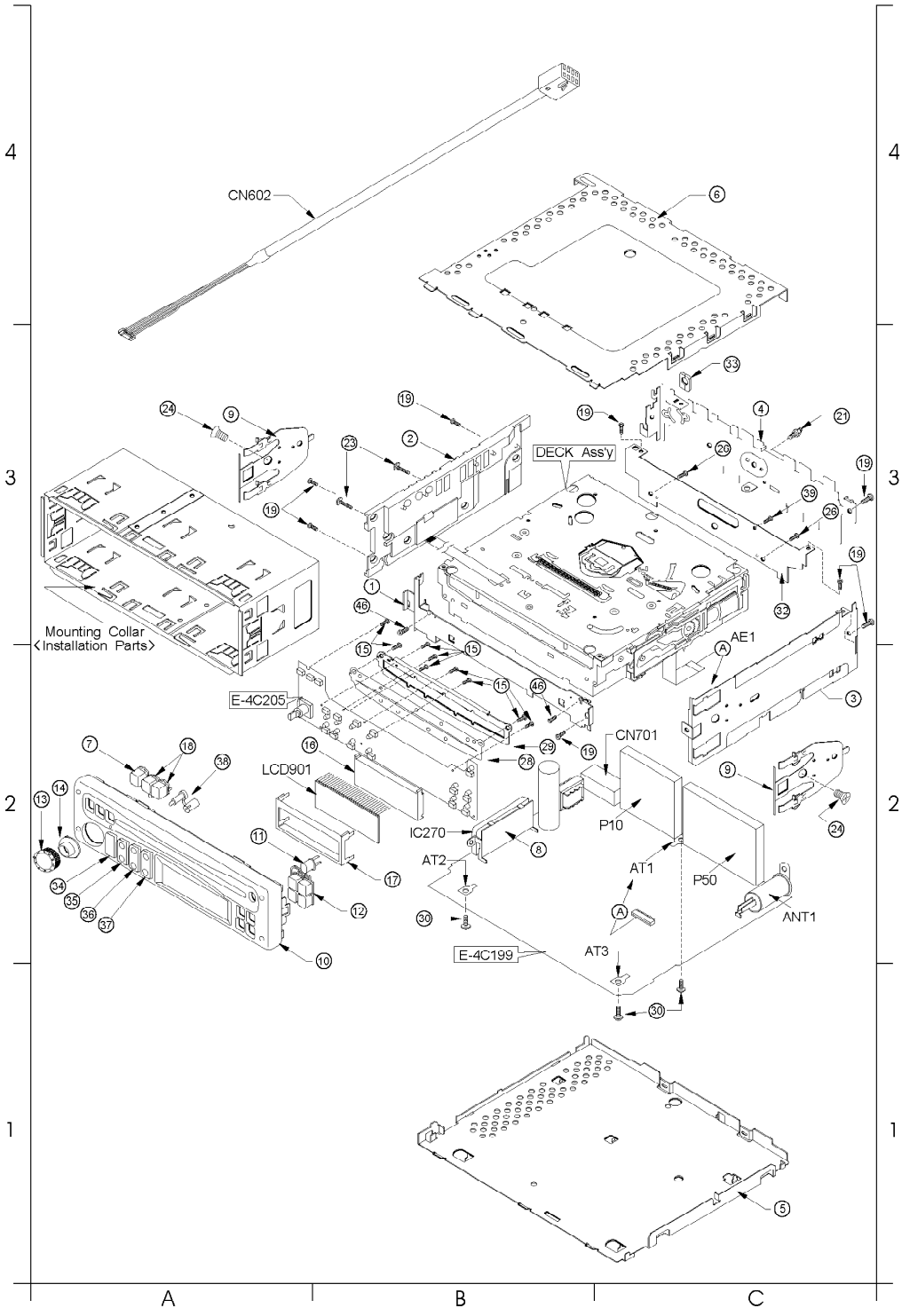
Ref. No.	Part No.	Part Name & Description	Remarks
R723	ERD25FJ5R6	Carbon 5.6 ohms 1/4W	T
R725	ERJ8GEYJ753V	Chip 75k ohms 1/8W	T
R727	ERJ8GEYJ473V	Chip 47k ohms 1/8W	T
R728	ERD25TJ681	Carbon 680 ohms 1/4W	T
R729	ERD25TJ681	Carbon 680 ohms 1/4W	T
R736	ERJ6GEYJ105V	Chip 1000K ohms 1/10W	T
R737	ERJ8GEYJ472V	Chip 4.7k ohms 1/8W	T
R740	ERD25TJ472	Carbon 4.7K ohms 1/4W	T
R900	ERDS1FJ101	Carbon 100 ohms 1/2W	T
R901	ERDS1FJ101	Carbon 100 ohms 1/2W	T
R902	ERD25TJ102	Carbon 1K ohms 1/4W	T
R910	ERJ6GEYJ102V	Chip 1k ohms 1/10W	T
R911	ERJ8GEYJ222V	Chip 2.2k ohms 1/8W	T
R912	ERJ6GEYJ153V	Chip 15k ohms 1/10W	T
DISPLAY BLOCK [E-4C205]			
R901	ERJ6GEYJ181V	Chip 180 ohms 1/10W	T
R902	ERJ6GEYJ181V	Chip 180 ohms 1/10W	T
R903	ERJ6GEYJ181V	Chip 180 ohms 1/10W	T
R904	ERJ6GEYJ181V	Chip 180 ohms 1/10W	T
R905	ERJ8GEYJ391V	Chip 390 ohms 1/8W	T
R906	ERJ6GEYJ391V	Chip 390 ohms 1/10W	T
R907	ERJ8GEYJ391V	Chip 390 ohms 1/8W	T
R908	ERJ8GEYJ390V	Chip 39 ohms1/8W	T
R909	ERJ6GEYJ331V	Chip 330 ohms 1/10W	T
R910	ERJ6GEYJ103V	Chip 10K ohms 1/10W	T
R911	ERJ6GEYJ473V	Chip 47K ohms 1/10W	T
R912	ERJ6GEYJ4R7V	Chip 4.7 ohms 1/10W	T
1.5. Connectors			
MAIN BLOCK [E-4C199]			
CN501	YEAE5280714	Connector	
CN601	YEAETKCF010	Connector	T
CN602	YEAEA2001-8P	Connector	T
CP602	YEAEDELPH08X	Connector	T
CN701	YEAE4CCON018	Connector	T
DISPLAY BLOCK [E-4C205]			
CN901	YEAETKCF10XS	Connector	
1.6. Electric Parts			
SWITCHES			
SW902	EVQPJJ04T	Switch	
SW904	EVQPJJ04T	Switch	
SW905	EVQPJJ04T	Switch	
SW909	EVQPJJ04T	Switch	
SW910	EVQPJJ04T	Switch	
SW911	EVQPJJ04T	Switch	

Ref. No.	Part No.	Part Name & Description	Remarks
SW912	K0H1BA000083	Switch	
SW913	EVQPJJ04T	Switch	
SW914	EVQPJJ04T	Switch	
SW915	K0H1BA000083	Switch	
SW916	EVQPJJ04T	Switch	
SW917	EVQPJJ04T	Switch	
SW918	EVQPJJ04T	Switch	
SW919	EVQPJJ04T	Switch	
SW920	EVQPJJ04T	Switch	
SW921	EVQPJJ04T	Switch	
CRYSTAL			
XL601	YEXL4C45TT	Crystal	T
COILS			
L30	YELTBLM21A10	Coil	T
L31	YELTBLM21A10	Coil	T
L32	YELTBLM21A10	Coil	T
L33	YELTBLM21A10	Coil	T
L35	YELTBLM21A10	Coil	T
L36	YELTBLM21A10	Coil	T
L700	YETQ024C035	Coil	T
L101	YELT02C330KT	Axial Coil	T
BPF	YEXC07T009	Band Pass Filter	T
LCD			
LCD901	YEXDCM4C082	LCD	T
POSISTOR			
PT701	YERT7AR4R7MT	Posistor	
VARIABLE RESISTORS			
VR901	EVQBAR00109B	Encode VR	
1.7. Accessories			
PRINTING			
	YFM094C012ZA	W/B Service List	T
INSTALLATION PARTS			
	FX024C079YA	Mounting Collar	T
1.8. Mechanical Parts			
MISCELLANEOUS			
AE1	YEAEFFC006	Flexible Circuit Board (14P)	T(2-C)
ANT1	YAA104C700ZA	Antenna Jack	T

Ref. No.	Part No.	Part Name & Description	Remarks
AT1	YEAT03420	Terminal	
AT2	YEAT03420	Terminal	
AT3	YEAT03420	Terminal	
TP2	YEAT034C011	Terminal	T
TP3	YEAT034C011	Terminal	T
TP4	YEAT034C011	Terminal	T
TP5	YEAT034C011	Terminal	T
1	YFA074C036ZA	Front Plate	T(2-B)
2	YFF014C044YA	Heat Sink	T(3-B)
3	YFA094C082ZA	Right Plate	T(2-C)
4	YFA084C025ZA	Rear Plate	T(3-C)
5	YFA054C029ZA	Under Cover	T(1-B)
6	YFA034C035YA	Upper Cover	T(4-B)
7	YFE134C303ZA	Button (PWR)	T(2-A)
8	FX0214C172XA	IC Bracket	T(2-B)
9	FX0054C030ZA	Spring Plate	T(2-C) (3-A)
10	YFC024C495ZA	Escutcheon Ass'y	T(2-A)
11	YFE134C310ZA	Button (EJECT)	T(2-A)
12	YFE134C306ZA	Button (MODE/BAND/ALM/CLK)	T(2-A)
13	YFE074C053ZA	Button (KNOB)	T(2-A)
14	FX0014C055YA	Panel Light	T(2-A)
15	XTN2+8GFZ	Scerw	T(2-B) (3-C)
16	YEAD4400U	Back Light Module	T(2-B)
17	FX0214C236ZA	LCD Bracket	T(2-B)
18	YFE134C304ZA	Button (MUTE/SCAN)	T(2-A)
19	XTB3+6FFXS	Scerw	T(2-B) (2-C) (3-C)
21	YEJV014C002A	Bolt	T(3-C)
23	YEJT034C019	Scerw (Cup Tight 3mm x 12mm)	T(3-B)
24	XSS5+6FXS	Scerw	T(2-C) (3-A)
26	XTN26+8C	Scerw	T(2-B)
28	YFS014C030ZA	Dust Sheet	T(2-B)
29	FX0214C209ZA	Fix Plate	T(2-B)
30	YEJT034C001	Screw	T(1-C) (2-B)
32	FX0214C217YA	Deck Plate	T(3-C)
33	YFX074C013ZA	Cord Clamper	T(3-C)
34	YFE134C299ZA	Button (SEEK/TUNE)	T(2-A)
35	YFE134C311ZA	Button (1/4)	T(2-A)
36	YFE134C308ZA	Button (2/5)	T(2-A)
37	YFE134C317ZA	Button (3 REP/6 BAND)	T(2-A)
38	YFE134C328ZA	Button (RESET)	T(2-A)
39	YJT034C026ZA	Scerw (M2.6 x 8.5)	T(3-C)
46	XTN26+8C	Scerw	T(2-B)

17. EXPLODED VIEW (Unit)

■ Numbers in ○ are indicated REF.No.in the REPLACEMENT PARTS LIST



18. REPLACEMENT PARTS LIST (CD Deck)

Note:

1. Be sure to make your orders of replacement parts according to this list.
2. Important safty notice: Component , indentified by ⚠ mark have special characteristics important for safety. when replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing. as in a load map.
4. The marking (RTL) indicates that Retention Time is linited for this item. After the discontinuation of assembly in production, the item will continue to be availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. Aft the end of this period, the assembly will no longer be available.
5. "A" marks in remarks colum are indicated supply parts of Audio Division(AD) in Matsushita Electric Industrial Co., Ltd.(MEI)
6. "V" marks in remarks colum are indicated supply parts of Vidio System Division(VSD) in Matsushita Electric industrial Co., Ltd. (MEI)

Ref. No.	Part No.	Part Name & Description	Remarks
IC's and Transistor			
IC1	AN8835SBE1	IC	V
IC2	MN662741RPA	IC	A
IC3	BA6795FPE2	IC	A
IC4	MB89193-233E	IC	A
Q1	2SA1037AKTXR	Transistor	V
Q2	DTC114TKT96	Transistor	V
Diodes			
D1	MA141WKTX	Diode	A
Capacitors			
C1	RCSX0JX226LE	Tantalum 22MFD 6.3WV	V
C3	ECEA0JKA101I	Electrolytic 100MFD 6.3WV	
C4	ECUV1E104ZFN	Chip 0.1MFD 25WV	V
C5	ECUV1E104ZFN	Chip 0.1MFD 25WV	V
C6	ECUV1E104MBN	Chip 0.1MFD 25WV	V
C7	ECUV1E104MBN	Chip 0.1MFD 25WV	V
C8	ECUV1H272KBN	Chip 0.0027MFD 50WV	V
C9	ECUV1E273KBN	Chip 0.027MFD 25WV	V
C10	ECUV1E104MBN	Chip 0.1MFD 25WV	V
C11	ECUV1E104MBN	Chip 0.1MFD 25WV	V
C12	ECUV1H222KBN	Chip 0.0022MFD 50WV	V
C13	ECUV1H182KBN	Chip 0.0018MFD 50WV	V
C14	ECUV1E104MBN	Chip 0.1MFD 25WV	V
C15	ECUV1C473KBN	Chip 0.047MFD 16WV	V
C16	ECUV1E223KBN	Chip 0.022MFD 25WV	V
C17	ECUV1E273KBN	Chip 0.027MFD 25WV	V
C18	ECUV1H471KBN	Chip 470PF 50WV	V
C19	ECUV1E104MBN	Chip 0.1MFD 25WV	V
C20	ECUV1E223KBN	Chip 0.022MFD 25WV	V
C21	ECUV1C224KBM	Chip 0.22MFD 16WV	V
C22	ECUV1C224KBM	Chip 0.22MFD 16WV	V
C23	ECUV1H070DCN	Chip 7PF 50WV	V

Ref. No.	Part No.	Part Name & Description	Remarks
C24	ECUV1H220JCN	Chip 22PF 50WV	V
C25	ECUV1E104ZFN	Chip 0.1MFD 25WV	V
C26	ECUV1H102KBN	Chip 0.001MFD 50WV	V
C27	ECUV1H102KBN	Chip 0.001MFD 50WV	V
C28	ECUV1E223ZFN	Chip 0.022MFD 25WV	V
C29	RCE0JPK221IG	Electrolytic 220MFD 6.3WV	V
C30	ECUV1E154MBM	Chip 0.15MFD 25WV	V
C33	RCE0JPK221IG	Electrolytic 220MFD 6.3WV	V
C34	ECUV1H561KBN	Chip 560PF 50WV	V
C35	RCE0JKA101I	Electrolytic 100MFD 6.3WV	
C36	ECE1AKA221I	Electrolytic 220MFD 10WV	
C37	ECUV1E104ZFN	Chip 0.1MFD 25WV	V
C38	ECEA0JKA221I	Electrolytic 220MFD 6.3WV	
C39	ECUV1E104ZFN	Chip 0.1MFD 25WV	V
C40	ECUV1H472MBN	Chip 0.0047MFD 50WV	V
C42	ECUV1E104ZFN	Chip 0.1MFD 25WV	V
C44	ECUV1H331KBN	Chip 330PF 25WV	V
C45	ECUV1E224ZFN	Chip 0.22MFD 25WV	V
C56	ECUV1H221KBN	Chip 220PF 50WV	A
Resistors			
R1	ERJ6GEYJ150	Chip 15 OHMS 1/10W	
R2	ERJ6GEYJ221	Chip 220 OHMS 1/10W	
R3	ERJ6GEYJ150	Chip 15 OHMS 1/10W	
R5	ERJ6GEYJ330	Chip 33 OHMS 1/10W	
R6	ERJ6GEYJ224	Chip 220K OHMS 1/10W	
R7	ERJ6GEYJ184	Chip 180K OHMS 1/10W	
R8	ERJ6GEYJ102	Chip 1K OHMS 1/10W	
R9	ERJ6GEYJ103	Chip 10K OHMS 1/10W	
R10	ERJ6GEYJ102	Chip 1K OHMS 1/10W	
R11	ERJ6GEYJ103	Chip 10K OHMS 1/10W	
R12	ERJ6GEYJ393	Chip 39K OHMS 1/10W	
R13	ERJ6GEYJ183	Chip 18K OHMS 1/10W	
R14	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R15	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R16	ERJ6GEYJ154	Chip 150K OHMS 1/10W	
R17	ERJ6GEYJ683	Chip 68K OHMS 1/10W	
R18	ERJ6GEYJ471	Chip 470 OHMS 1/10W	
R20	ERJ6GEYJ101	Chip 100 OHMS 1/10W	
R21	ERJ6GEYJ220	Chip 22 OHMS 1/10W	
R22	ERJ6GEYJ220	Chip 22 OHMS 1/10W	
R23	ERJ6GEYJ822	Chip 8.2K OHMS 1/10W	
R24	ERJ6GEYJ682	Chip 6.8K OHMS 1/10W	
R25	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R26	ERJ6GEYJ333	Chip 33K OHMS 1/10W	
R27	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R28	ERJ6GEYJ102	Chip 1K OHMS 1/10W	
R29	ERJ6GEYJ102	Chip 1K OHMS 1/10W	
R30	ERJ6GEYJ103	Chip 10K OHMS 1/10W	
R31	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R32	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R33	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R34	ERJ6GEYJ473	Chip 47K OHMS 1/10W	

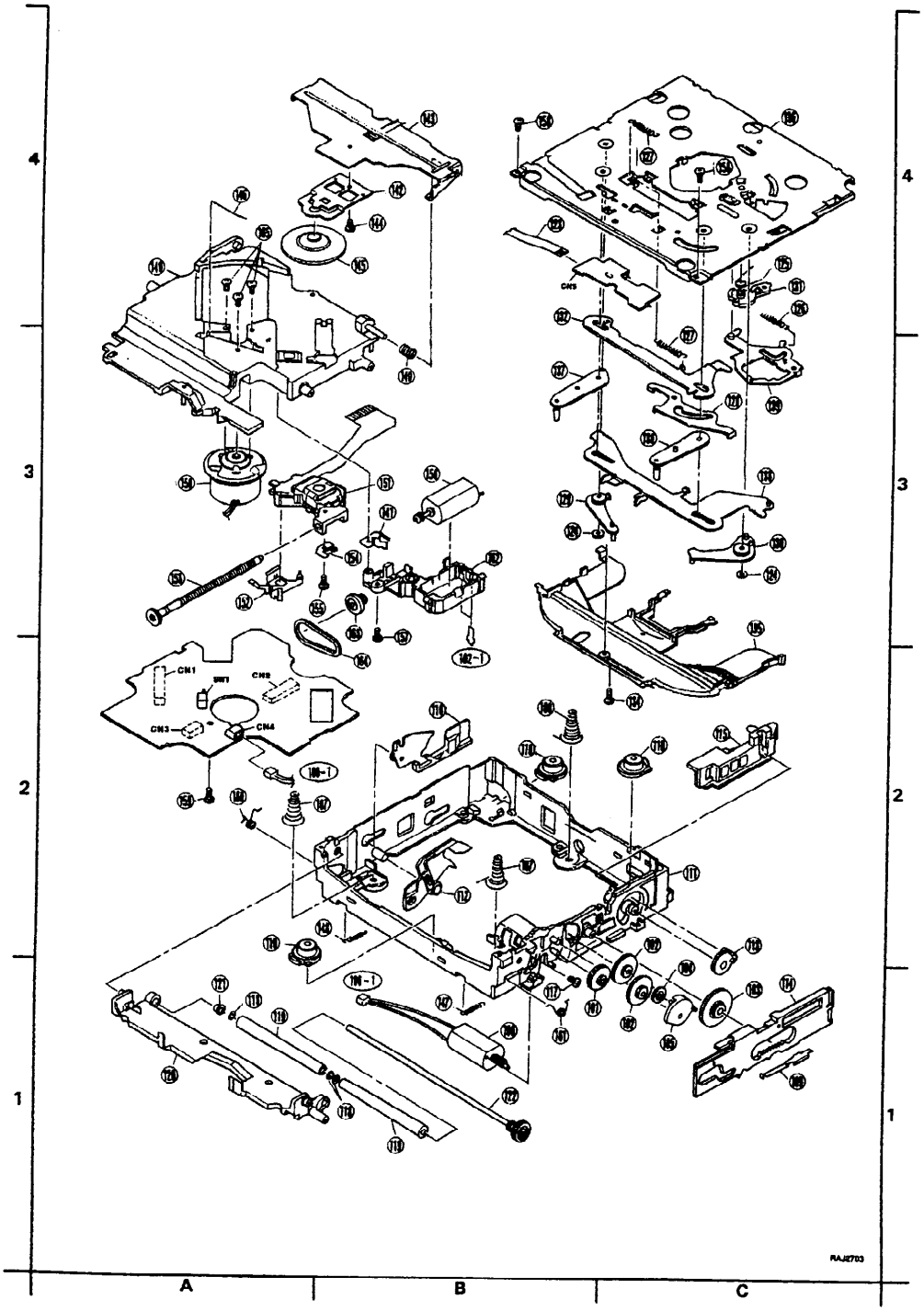
Ref. No.	Part No.	Part Name & Description	Remarks
R35	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R36	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R37	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R39	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R40	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R41	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R42	ERJ6GEYJ102	Chip 1K OHMS 1/10W	
R43	ERJ6GEYJ102	Chip 1K OHMS 1/10W	
R44	ERJ6GEYJ102	Chip 1K OHMS 1/10W	
R45	ERJ6GEYJ102	Chip 1K OHMS 1/10W	
R46	ERJ6GEYJ102	Chip 1K OHMS 1/10W	
R47	ERJ6GEYJ121	Chip 120 OHMS 1/10W	
R49	ERJ6GEYJ155V	Chip 1.5M OHMS 1/10W	
R50	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R51	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R52	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R53	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R54	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R55	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R56	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R57	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R58	ERJ6GEYJ473	Chip 47K OHMS 1/10W	
R62	ERJ6GEYJ272	Chip 2.7K OHMS 1/10W	
R63	ERJ6GEYJ102	Chip 1K OHMS 1/10W	
RJ1	ERJ8GEY0R00V	Chip 0 OHMS 1/8W	
RJ2	ERJ8GEY0R00V	Chip 0 OHMS 1/8W	
RJ3	ERJ8GEY0R00V	Chip 0 OHMS 1/8W	
RJ4	ERJ8GEY0R00V	Chip 0 OHMS 1/8W	
RJ5	ERJ6GEYJ1R8V	Chip 0 1.8HMS 1/10W	V
RJ6	ERJ8GEY0R00V	Chip 0 OHMS 1/8W	
RJ7	ERJ8GEY0R00V	Chip 0 OHMS 1/8W	
Oscillators			
X1	RVBCST4R00MT	Ceramic Oscillator	V
X2	RSXC16M9S01T	Crystal Oscillator	v
Connector			
CN1	RJS2A1816T	Connector 16P	v
CN2	RJS1A7114T	Connector 14P	v
CN3	RJS1A7105T	Connector 5P	v
CN4	RJP2G17ZA	Connector 2P	v
CN5	RJS2A1405T	Connector 5P	v
Switchs			
SW1	ESE11SH2	Switch	v
SW2	RSP1A015-A	Switch	v
SW3	RSP1A015-A	Switch	v
SW4	RSP1A015-A	Switch	v
SW5	RSP1A015-A	Switch	v

Ref. No.	Part No.	Part Name & Description	Remarks
Miscellaneous			
101	RDG0350	Gear	v(1-B)
102	RDG0351	Gear N2	v(1-C)
103	RDG0352-1	Loading Gear	v(1-C)
104	RDG0353	Roller Drive Gear	v(1-C)
105	RDG0354	GOLLER Drive Arm	v(1-C)
106	REM0060	Loading motor	v(1-B)
106-1	REE0669	Lead Wire	V(2-A)
			(1-B)
107	RMB0465	Spring	V(2-A)
			(2-B)
108	RMB0466	Spring	V(2-A)
109	RMC0292	Main Slider Spring	V(1-C)
110	RMG0408-K	Insullator	V(2-A)
			(2-B)
111	RMK0309-2	Mechanism Frame	V(2-B)
112	RML0432	Lock Arm	V(2-B)
113	RML0433-1	Drive Arm	V(2-C)
114	RMR0952-W	Main Slider	V(1-C)
115	RMR0953-W	Lift Slider	V(2-C)
116	RMR0954-W	Lock Slider	V(2-B)
117	XYN2+C5	Screw 2mm * 5mm	V(1-B)
118	RHW31005	Washer	V(1-A)
119	RMG0382-H	Rubber Roller	V(1-A)
120	RML0434	Roller Arm	V(1-A)
121	RMR0769-W	Roller Bering	V(1-A)
122	RXJ0017	Roller Shaft	V(1-B)
123	REE0668	Flexible PCB	V(4-B)
124	RHW27004	Washer	V(3-C)
125	RMB0461	Spring	V(4-C)
126	RMB0468	Spring	V(4-C)
127	RMB0489	Spring	V(4-C)
			V(3-C)
128	RML0428	Switch LEVER	V(3-C)
129	RML0430	Trigger Leaver L	V(3-C)
130	RML0431	Trigger Leaver R	V(3-C)
131	RML0435	Lock Leaver	V(4-C)
132	RMM0155	Slider A	V(3-C)
			V(-)
133	RMM0156	Slider B	V(3-C)
134	RMQ0597	Screw	V(2-C)
135	RMR0951-W	Disc Guide	V(2-C)
136	RKX0201	Upper Chassis	V(4-C)
137	RXL0134	CD Detect Leavr L	V(3-B)
138	RXL0135	CD Detect Leavr R	V(3-C)
139	RXL0136	Control Arm	V(3-C)
140	RMB0462	Spring	V(3-B)
141	RMC0295	Drive Shaft Rotainer	V(3-B)
142	RMC0293	Clamp Rotainer	V(4-B)
143	RML0429	Clamp Arm	V(4-B)
144	RMQ0467	Screw	V(4-B)
145	RMR0956-W	Clamper	(4-B)
146	RMB0345-2	Spring	V(4-A)
147	RMB0445	Spring	V(1-B)

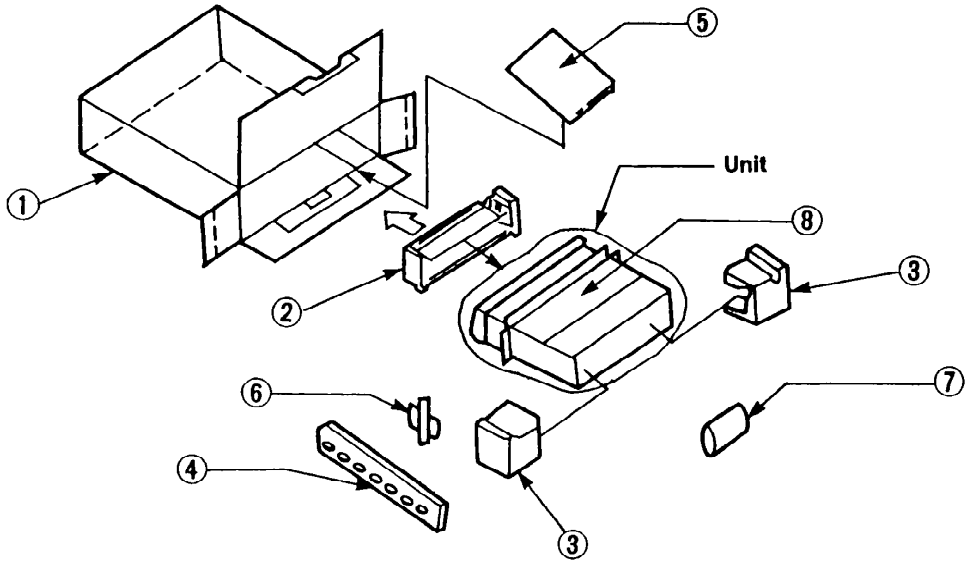
Ref. No.	Part No.	Part Name & Description	Remarks
148	RMB0467	Spring	V(2-B)
149	RXK0199	Traverse Chassis	V(4-A)
150	RFKPAJ2751K	Spindle Motor	V(3-A)
151	RAF0140A	Oprical Pickup	V(3-B)
152	RMC0294	Oprical Pickup Retainer	V(3-A)
153	RXJ0018	Drive Shaft	V(3-A)
154	RXQ0474	Boad Nut	V(3-B)
155	XQN17+BG45	Screw	V(3-B)
156	REM0061	Traverse Motor	V(3-B)
157	XTW2+6S	Screw 2mm * 6mm	V(3-B)
158	XQN2+CJ8	Screw 2mm * 8mm	V(4-C)
159	XTW2+6S	Screw 2mm * 6mm	V(2-A)
160	RMB0463	Spring	V(2-A)
161	RMB0464	Spring	V(1-B)
162	RXQ0476	Holder	V(3-B)
162-1	RMA0921	Terminal Board	V(3-B)
163	RDP0084	Pulley	V(3-B)
164	RDV0030	Belt	V(2-B)
165	RMQ0461	Screw	V(4-A)

19. EXPLODED VIEW (CD Deck)

■Numbers in ○ are indicated REF. No. in the REPLACEMENT PARTS LIST



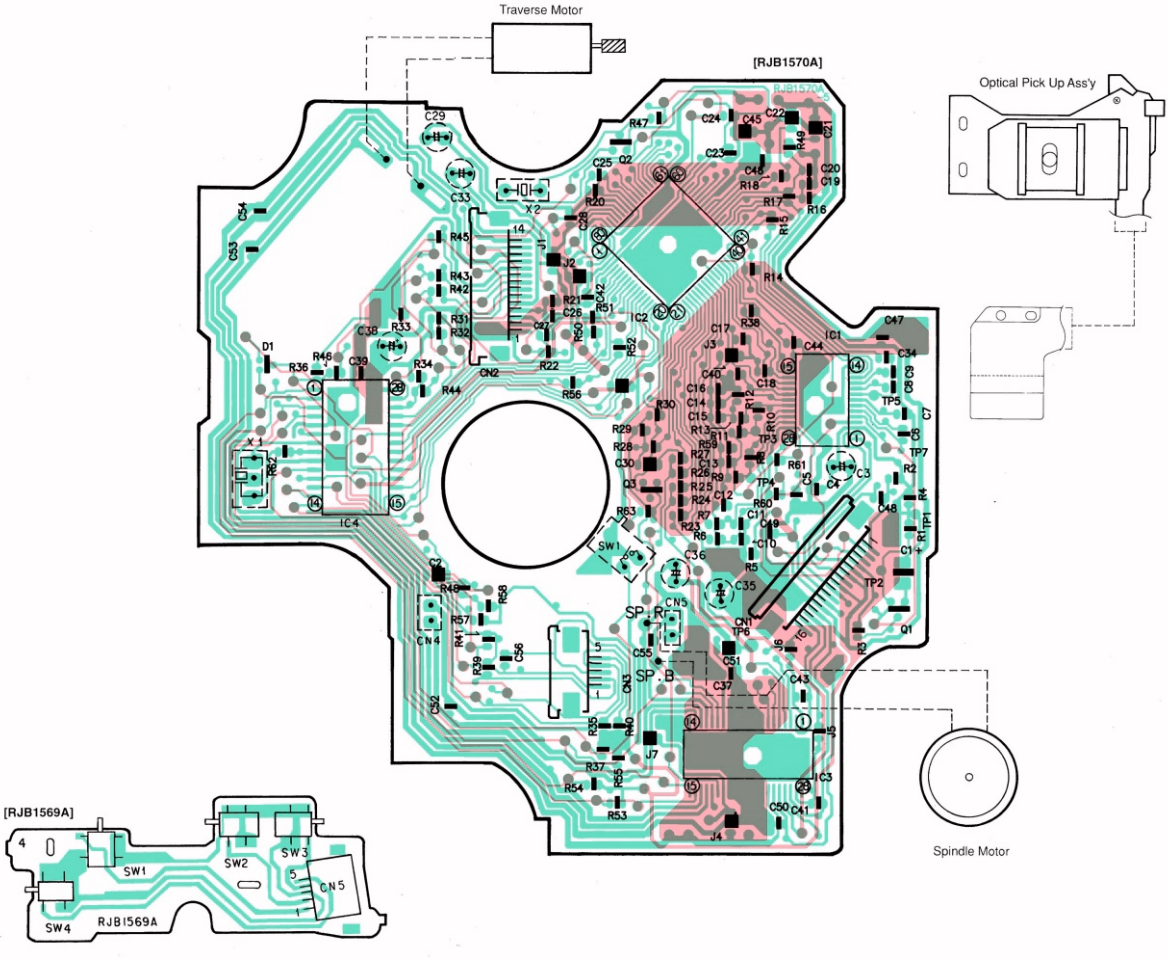
20. PACKING PARTS LIST

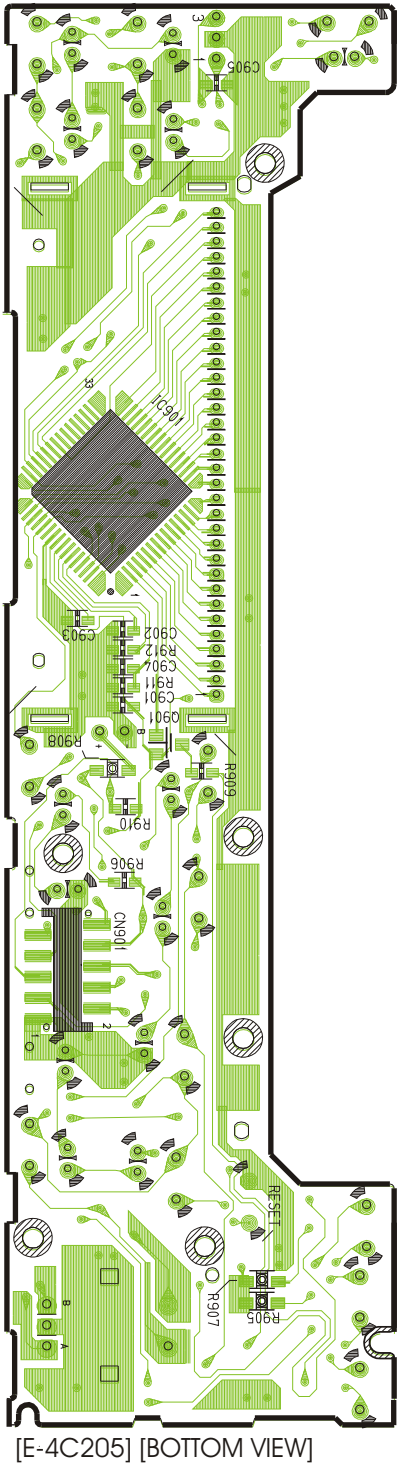


· Item numbers listed below shoud not order regular spare parts. (not available)

Item No.	Parts No.	Parts Name & Description	Q'ty	Remarks
1	-	Inner Carton	1	Not Available
2	-	Packing Pad, Front	1	Not Available
3	-	Packing Pad, Right and Left	1	Not Available
4		Rear Support Strap	0	
5				
	YFM094C012ZA	W/B Service List	1	
6		Screw Kit and Dismounting Pin	0	
7		Power Connector Ass'y	0	
8	FX0214C079YA	Mounting Collar	1	

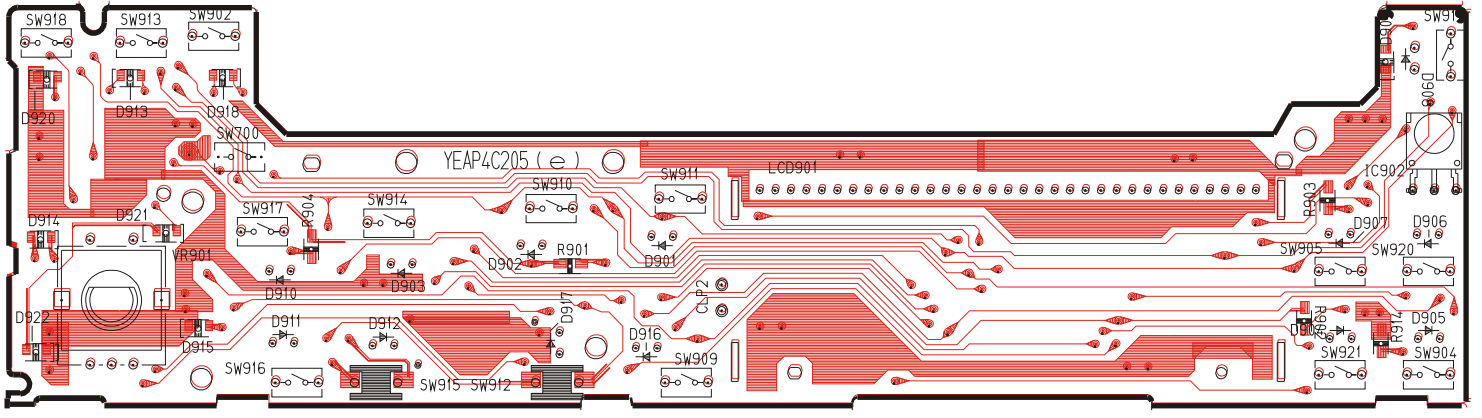
Printed in Taiwan / 2000.10

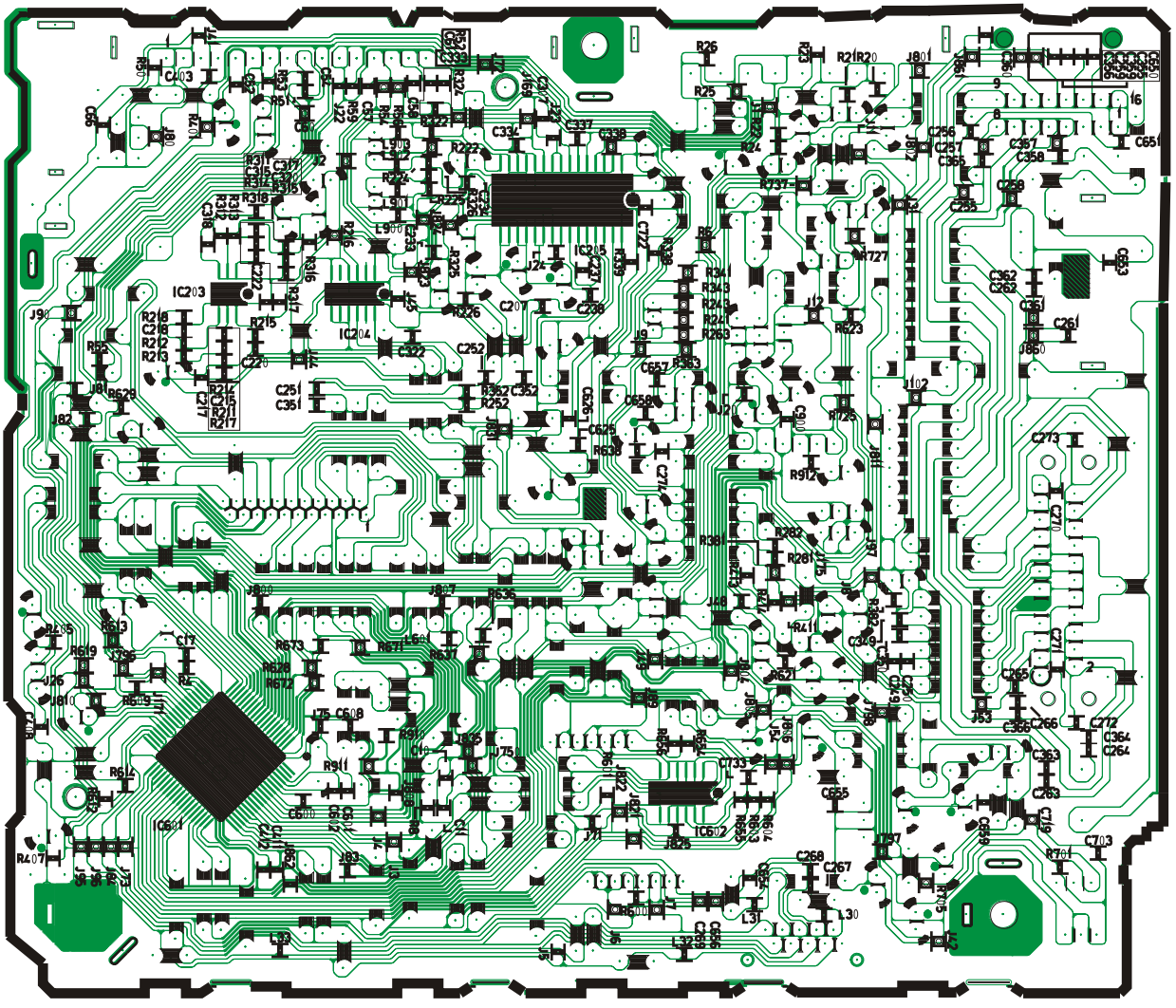

Traverse Motor
[RJB1570A]
Optical Pick Up Ass'y
Spindle Motor
[RJB1569A]
RJB1569A
SW1
SW2
SW3
SW4
CN5
SP. Rr
SP. D



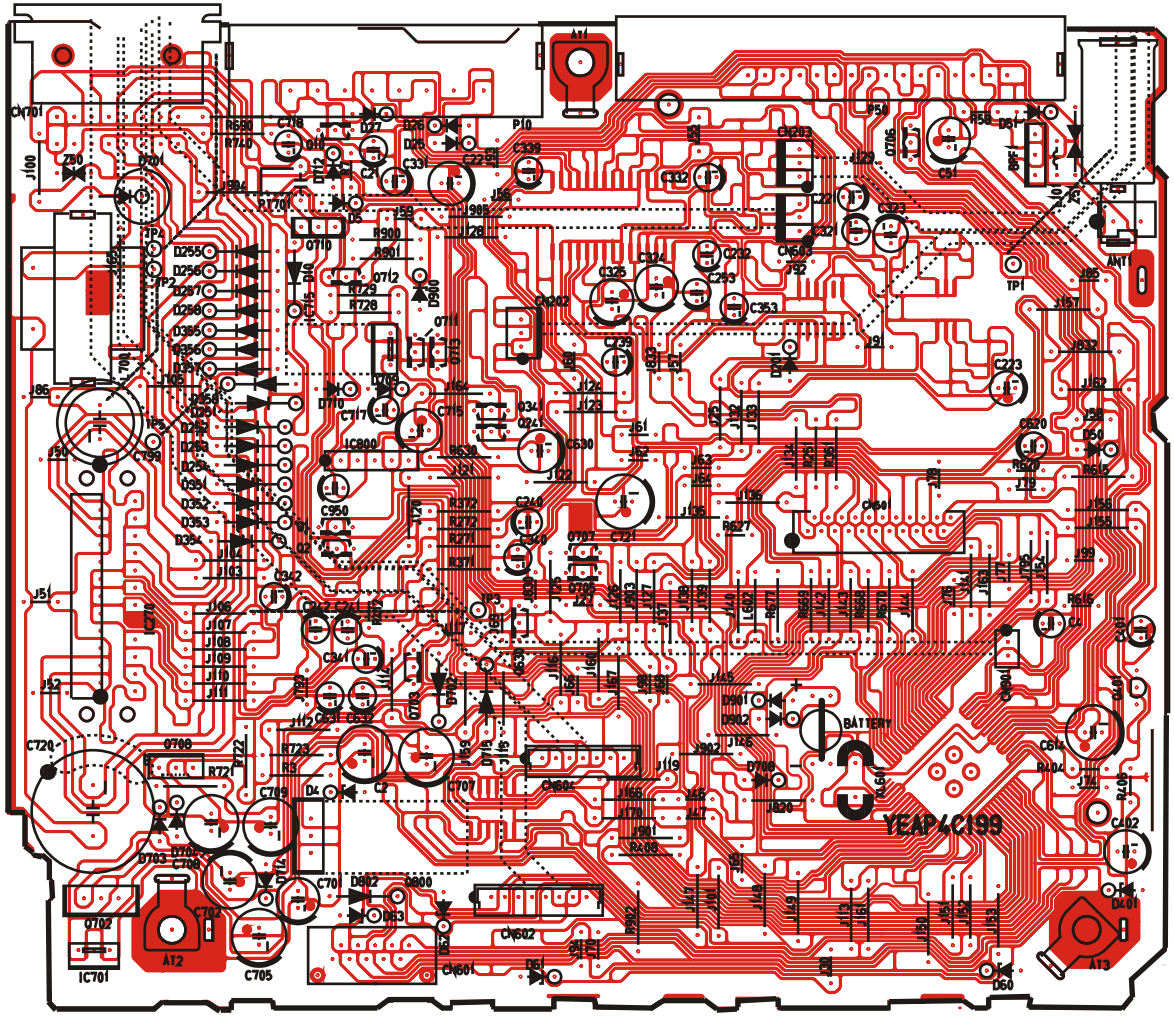
[E-4C205] [BOTTOM VIEW]

[E-4C205] [TOP VIEW]

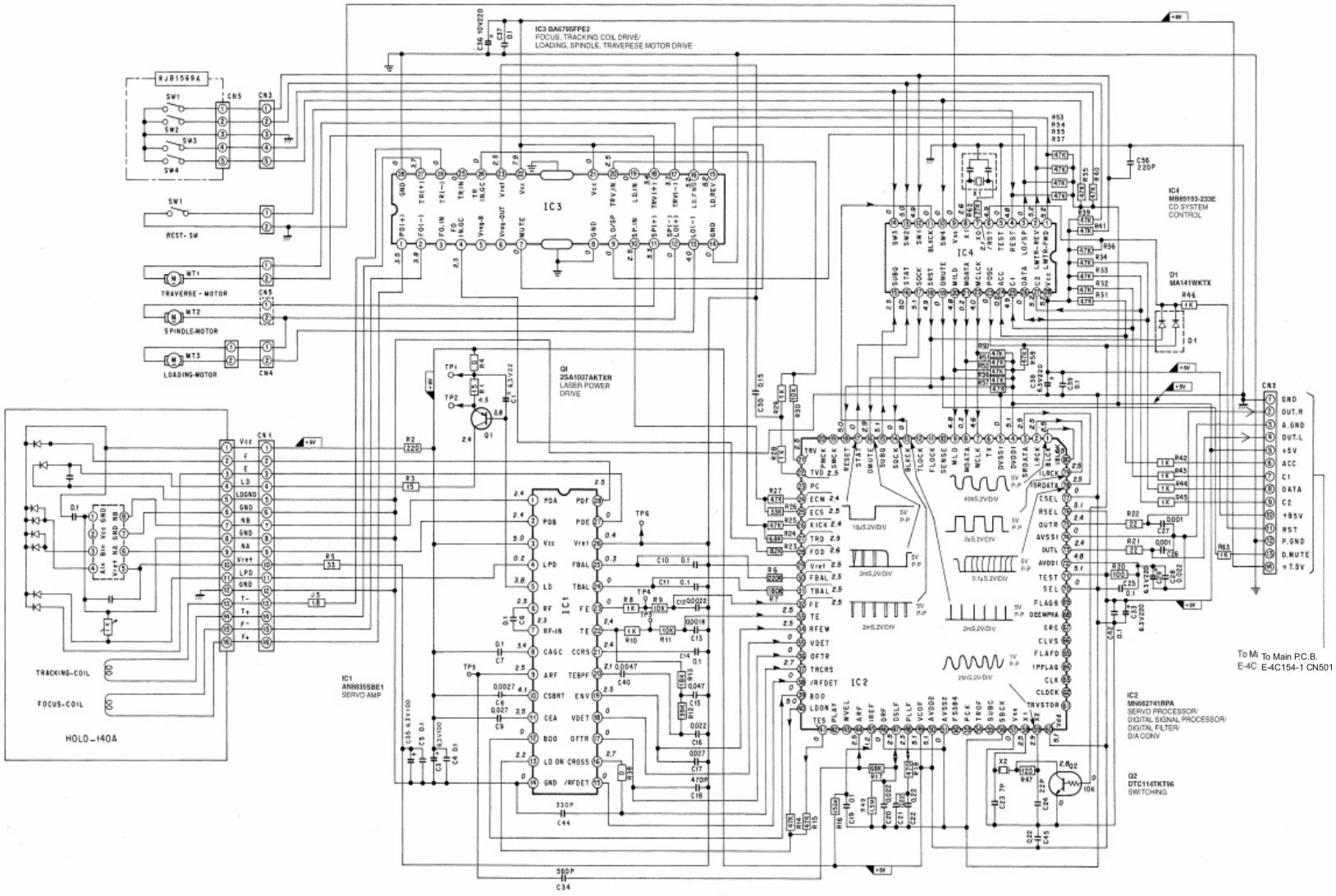


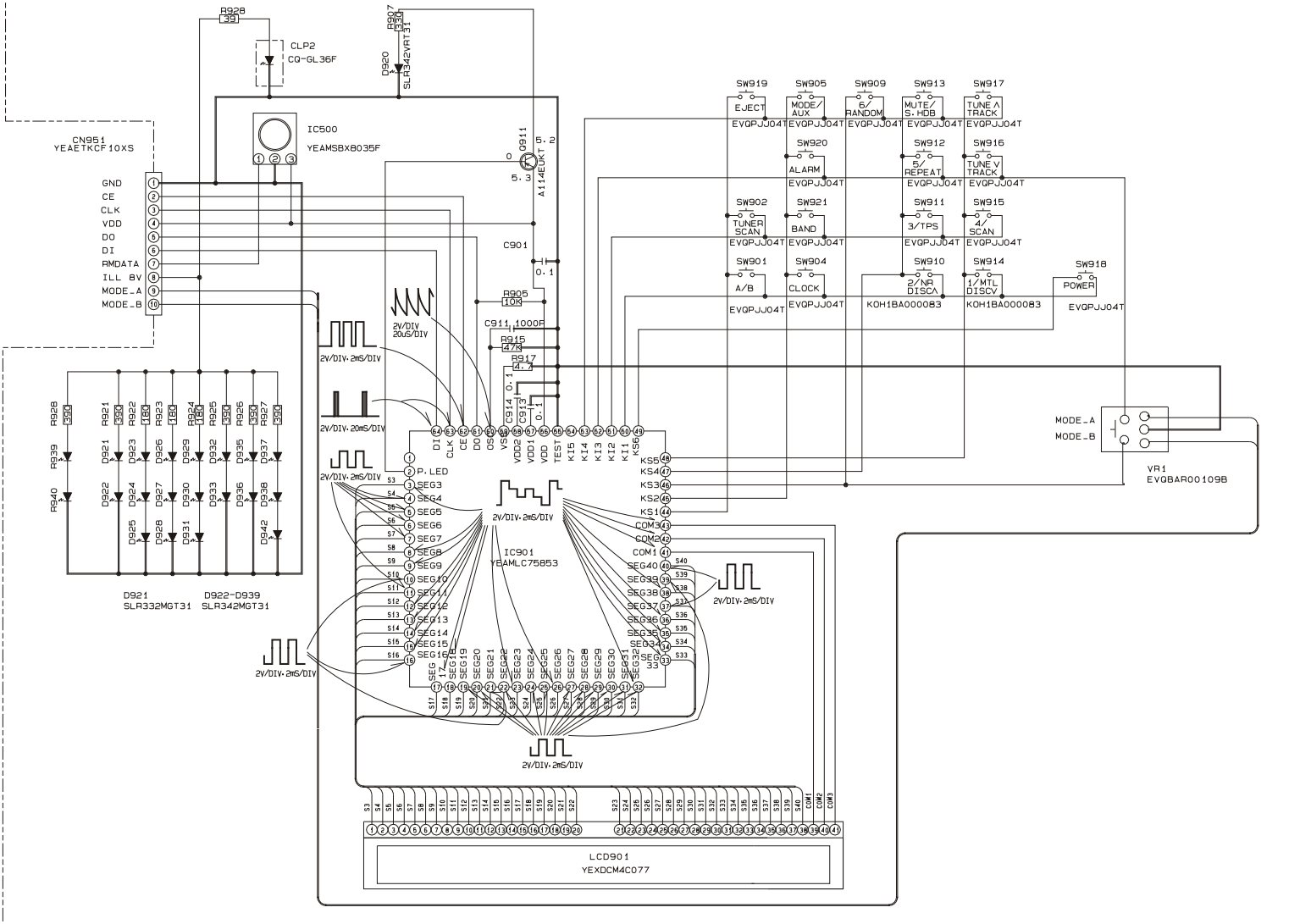


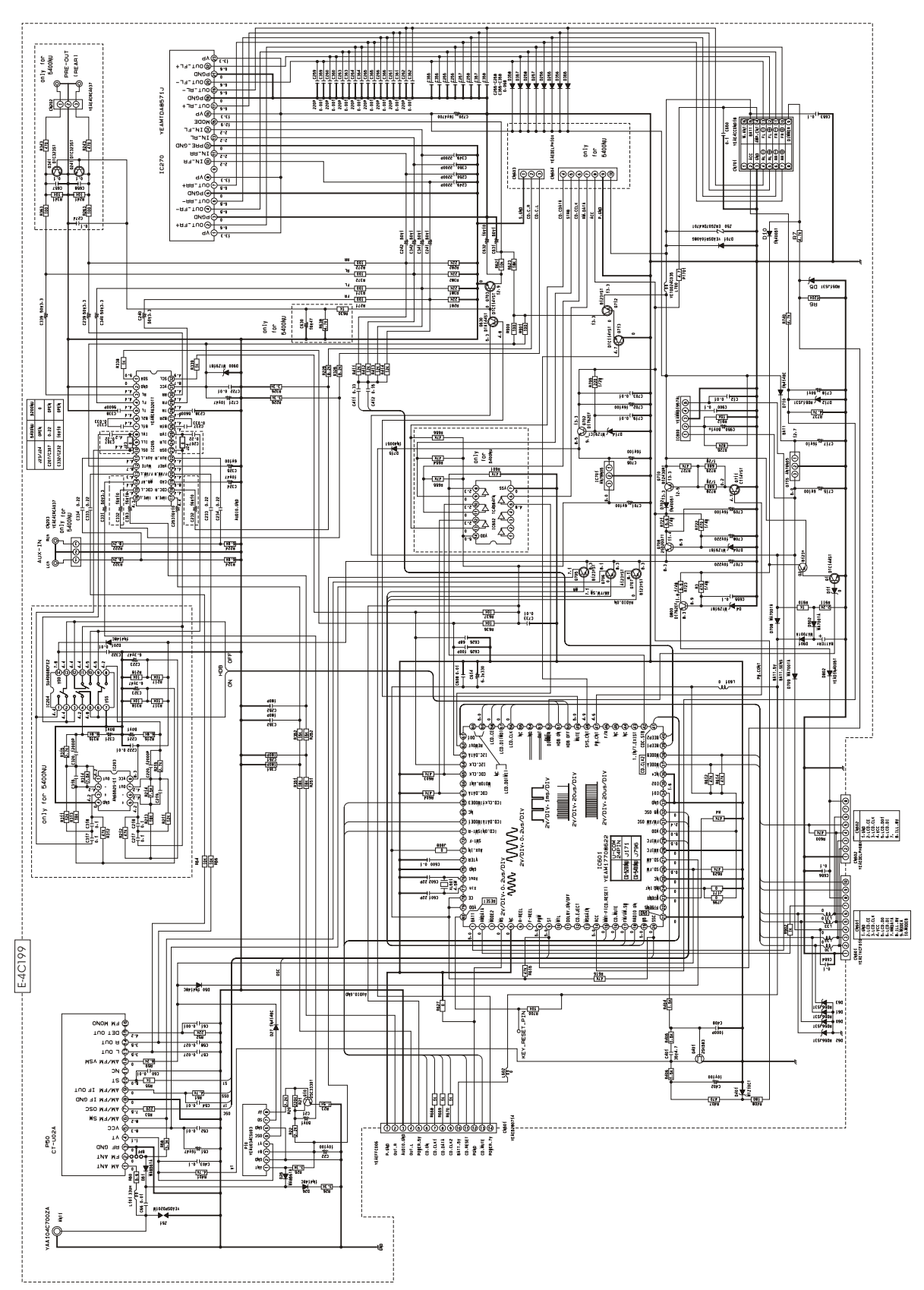
[E-4C199] [Bottom View]



[E-4C199] [Top View]


RJB1569A
SW1
SW2
SW3
SW4
CN5
CN3
REST-SW
TRAVERSE-MOTOR
SPINDLE-MOTOR
LOADING-MOTOR
MT1
MT2
MT3
CN4
IC3 BA6756FPE2
FOCUS, TRACKING COIL DRIVE/
LOADING, SPINDLE, TRAVERESE MOTOR DRIVE
IC4
MB89193-233E
CD SYSTEM
CONTROL
D1
MA141WKTX
Q1
2SA1037AKTXR
LASER POWER
DRIVE
IC1
AN8835SBE1
SERVO AMP
IC2
MN662741RPA
SERVO PROCESSOR/
DIGITAL SIGNAL PROCESSOR/
DIGITAL FILTER/
D/A CONV
Q2
DTC114TKT96
SWITCHING
CN1
CN2
HOLO-140A
TRACKING-COIL
FOCUS-COIL
GND
OUT.R
A.GND
OUT.L
+5V
ACC
C1
DATA
C2
+B5V
RST
P.GND
D.MUTE
+7.5V
To Main P.C.B.
E-4C154-1 CN501


R928
39
CLP2
CQ-GL36F
R907
R908
D920
SLR342VRT31
IC500
YEAMSBX8035F
CN951
YEAETKCF10XS
GND
CE
CLK
VDD
DO
DI
RMDATA
ILL 8V
MODE_A
MODE_B
C901
0.1
R905
10K
C911 1000P
R915
47K
R917
4.7
C914 0.1
C913 0.1
2V/DIV 20uS/DIV
2V/DIV 2mS/DIV
2V/DIV 20mS/DIV
P.LED
IC901
YEAMLC75853
SW919 EJECT EVQPJJ04T
SW905 MODE/ AUX EVQPJJ04T
SW909 6/ RANDOM EVQPJJ04T
SW913 MUTE/ S.HDB EVQPJJ04T
SW917 TUNE∧ TRACK EVQPJJ04T
SW920 ALARM EVQPJJ04T
SW912 5/ REPEAT EVQPJJ04T
SW916 TUNE∨ TRACK EVQPJJ04T
SW902 TUNER SCAN EVQPJJ04T
SW921 BAND EVQPJJ04T
SW911 3/TPS EVQPJJ04T
SW915 4/ SCAN EVQPJJ04T
SW901 A/B EVQPJJ04T
SW904 CLOCK EVQPJJ04T
SW910 2/NR DISCA KOH1BA000083
SW914 1/MTL DISCV KOH1BA000083
SW918 POWER EVQPJJ04T
VR1
EVQBAR00109B
MODE_A
MODE_B
D921 SLR332MGT31
D922-D939 SLR342MGT31
LCD901
YEXDCM4C077


E-4C199